

011604

10281 - U.S. PTO

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+

PTO/SB/05 Revised (11-00)

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 36749-199962

First Inventor Richard STRESAU et al.

Title PARTICLE DETECTION BY ELECTRON MULTIPLICATION

Express Mail Label No.

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 27]  
(preferred arrangement set forth below)  
- Descriptive title of the Invention  
- Cross References to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to sequence listing, a table,  
or a computer program listing appendix  
- Background of the Invention  
- Brief Summary of the Invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 1]
5. Oath or Declaration [Total Pages 3]  
a. ☒ Newly executed (original or copy)  
b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 18 completed)  
i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76
- 6a. ☒ Priority is claimed under the provisions of 35 U.S.C. § 119  
Appln No. 2003900277 filed in Australia on 20 January 2003  
Appln No. \_\_\_\_\_ filed in \_\_\_\_\_ on \_\_\_\_\_

**ADDRESS TO:**Commissioner for Patents  
Box Patent Application  
Alexandria, VA 22313-1450

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)  
a. ☐ Computer Readable Form (CRF)  
b. Specification Sequence Listing on:  
i. ☐ CD-ROM or CD-R (2 copies); or  
ii. ☐ paper  
c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATIONS PARTS**

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. § 3.73(b) Statement ☐ Power of  
(when there is an assignee) Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure ☐ Copies of IDS  
Statement (IDS)/PTO-1449 Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.
17. ☐ Other: \_\_\_\_\_

18. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment,  
or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No: \_\_\_\_\_ / \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

For **CONTINUATION** or **DIVISIONAL APPS** only: The entire disclosure of the prior application, from which an oath or declaration is supplied  
under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference.  
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**20. CORRESPONDENCE ADDRESS**☒ Customer Number or Bar Code Label

26694

PATENT TRADEMARK OFFICE

or ☐ Correspondence address below

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Name (Print/Type)

John P. Shannon

Registration No. (Attorney/Agent)

29,276

Signature

Date

January 16, 2004

#516170 v1 - utility patent application transmittal (36749.199962)

PC Docs No. 516170v1

**VENABLE**  
ATTORNEYS AT LAW

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2004

Patent fees are subject to annual revision.

Complete if Known

TOTAL AMOUNT OF PAYMENT (\$ 811

|                      |                        |
|----------------------|------------------------|
| Application Number   | To Be Assigned         |
| Filing Date          | January 16, 2004       |
| First Named Inventor | Richard STRESAU et al. |
| Examiner Name        | To Be Assigned         |
| Group / Art Unit     | To Be Assigned         |
| Attorney Docket No.  | 36749-199962           |

## METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit  
Account  
Number

22-0261

Deposit  
Account  
Name

- ☒ Charge Any Additional Fee Required  
Under 37 CFR 1.16 and 1.17  
☒ Applicant claims small entity status.  
See 37 CFR 1.27

2. ☒ Payment Enclosed:

- ☒ Check ☐ Credit card ☐ Money  
Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

| Large<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Small<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Fee Description        | Fee Paid |
|----------------------|-----------------------|----------------------|-----------------------|------------------------|----------|
| 1001                 | 770                   | 2001                 | 385                   | Utility filing fee     | 385      |
| 1002                 | 340                   | 2002                 | 170                   | Design filing fee      |          |
| 1003                 | 530                   | 2003                 | 265                   | Plant filing fee       |          |
| 1004                 | 770                   | 2004                 | 385                   | Reissue filing fee     |          |
| 1005                 | 160                   | 2005                 | 80                    | Provisional filing fee |          |

SUBTOTAL (1)

(\$ 385

### 2. EXTRA CLAIM FEES

| Total Claims          | Extra<br>Claims | Fee from<br>below | Fee Paid |
|-----------------------|-----------------|-------------------|----------|
| 53                    | -20 **          | 33                | 297      |
| Independent<br>Claims | 6               | -3 **             | 129      |
| Multiple<br>Dependent |                 |                   | 0        |

| Large<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Small<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Fee Description  |
|----------------------|-----------------------|----------------------|-----------------------|--|
| 1202                 | 18                    | 2202                 | 9                     | Claims in excess of 20                                     |
| 1201                 | 86                    | 2201                 | 43                    | Independent claims in excess of 3                          |
| 1203                 | 290                   | 2204                 | 145                   | Multiple dependent claim, if not paid                      |
| 1204                 | 86                    | 2204                 | 43                    | ** Reissue independent claims over original patent         |
| 1205                 | 18                    | 2205                 | 9                     | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2)

(\$ 426

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

| Large<br>Entity<br>Fee<br>Code | Large<br>Entity<br>Fee<br>(\$) | Small<br>Entity<br>Fee<br>Code | Small<br>Entity<br>Fee<br>(\$) | Fee Description  | Fee Paid |
|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--|----------|
| 1051                           | 130                            | 2051                           | 65                             | Surcharge - late filing fee or oath  |          |
| 1052                           | 50                             | 2052                           | 25                             | Surcharge - late provisional filing fee or cover sheet.                    |          |
| 1053                           | 130                            | 1053                           | 130                            | Non-English specification  |          |
| 1812                           | 2,520                          | 1812                           | 2,520                          | For filing a request for reexamination                                     |          |
| 1804                           | 920*                           | 1804                           | 920*                           | Requesting publication of SIR prior to Examiner action                     |          |
| 1805                           | 1,840*                         | 1805                           | 1,840*                         | Requesting publication of SIR after Examiner action                        |          |
| 1251                           | 110                            | 2215                           | 55                             | Extension for reply within first month                                     |          |
| 1252                           | 420                            | 2252                           | 210                            | Extension for reply within second month                                    |          |
| 1253                           | 950                            | 2253                           | 475                            | Extension for reply within third month                                     |          |
| 1254                           | 1,480                          | 2254                           | 740                            | Extension for reply within fourth month                                    |          |
| 1255                           | 2010                           | 2255                           | 1005                           | Extension for reply within fifth month                                     |          |
| 1401                           | 330                            | 2401                           | 165                            | Notice of Appeal   |          |
| 1402                           | 330                            | 2402                           | 165                            | Filing a brief in support of an appeal                                     |          |
| 1403                           | 290                            | 2403                           | 145                            | Request for oral hearing   |          |
| 1451                           | 1,510                          | 1451                           | 1,510                          | Petition to institute a public use proceeding                              |          |
| 1452                           | 110                            | 2452                           | 55                             | Petition to revive - unavoidable   |          |
| 1453                           | 1,330                          | 2453                           | 665                            | Petition to revive - unintentional   |          |
| 1501                           | 1,330                          | 2501                           | 665                            | Utility issue fee (or reissue)   |          |
| 1502                           | 480                            | 2502                           | 240                            | Design issue fee   |          |
| 1503                           | 640                            | 25403                          | 320                            | Plant issue fee  |          |
| 1460                           | 130                            | 1460                           | 130                            | Petitions to the Commissioner  |          |
| 1807                           | 50                             | 1807                           | 50                             | Processing fee under 37 CFR 1.17 (q)                                       |          |
| 1808                           | 180                            | 1808                           | 180                            | Submission of Information Disclosure Stmt                                  |          |
| 8021                           | 40                             | 8021                           | 40                             | Recording each patent assignment per property (times number of properties) |          |
| 1809                           | 770                            | 2809                           | 385                            | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 1810                           | 770                            | 2810                           | 385                            | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| 1801                           | 770                            | 2801                           | 385                            | Request for Continued Examination (RCE)                                    |          |
| 1802                           | 900                            | 1802                           | 900                            | Request for expedited examination of a design application                  |          |

Other fee (specify) \_\_\_\_\_

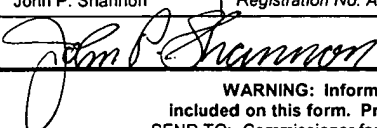
\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 0

## SUBMITTED BY

Complete (if applicable)

|                   |   |                                  |        |           |                  |
|-------------------|---|----------------------------------|--------|-----------|------------------|
| Name (Print/Type) | John P. Shannon   | Registration No. Attorney/Agent) | 29,276 | Telephone | 202-344-4000     |
| Signature         |  |                                  |        | Date      | January 16, 2004 |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  
 SEND TO: Commissioner for Patents, Mail Stop Patent Application, Alexandria, VA 22313-1450.